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L2 ANSWER 1 OF 16 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2003:77432 HCAPLUS
 DOCUMENT NUMBER: 138:132245
 TITLE: Secreted and transmembrane proteins of human and cDNAs
 encoding them and their uses
 INVENTOR(S): Baker, Kevin P.; Beresini, Maureen; Deforge, Laura;
 Desnoyers, Luc; Fivaroff, Ellen; Gao, Wei-qiang;
 Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul
 J.; Gurney, Austin L.; Sherwood, Steven; Smith,
 Victoria; Stewart, Timothy A.; Tumas, Daniel;
 Watanabe, Colin K.; Wood, William I.; Zhang, Zemin
 PATENT ASSIGNEE(S): Genentech, Inc., USA
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 PATENT INFORMATION:

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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
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PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
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US 2000-201516P	P 20000503
US 2000-204675P	P 20000517
US 2000-644848	A1 20000822
US 2000-644610	B1 20000824
US 2000-232887P	P 20000915
US 2000-664610	B1 20000918
US 2000-665350	A1 20000918
US 2000-709238	B1 20001108
US 2001-874503	A1 20010605
US 2001-880457	A 20010612
US 2001-908827	A1 20010718
US 2001-918585	A1 20010730
US 2001-924419	B1 20010806
US 2001-929404	B1 20010813
US 2001-941992	A1 20010828
US 2001-946374	A1 20010904
US 2001-2796	A1 20011115
US 2002-52586	A1 20020115

AB Proteins that have features typical of secreted or transmembrane proteins are identified and cDNAs encoding them are cloned and characterized. Many of the genes show altered levels of expression in tumors and may be of diagnostic or therapeutic use. Some of the proteins are shown to interact with one another and the presence or absence or modulation of the interaction may be of diagnostic or therapeutic use (no data). Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

IT **491900-60-8P**

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; secreted and transmembrane proteins of human and cDNAs encoding them)

RN 491900-60-8 HCAPLUS

CN Protein PRO272 (human clone DNA40620-1183) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 2 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:55946 HCAPLUS
 DOCUMENT NUMBER: 138:84320
 TITLE: Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
 AUTHOR(S): Strausberg, Robert L.; Feingold, Elise A.; Grouse, Lynette H.; Derge, Jeffery G.; Klausner, Richard D.; Collins, Francis S.; Wagner, Lukas; Shenmen, Carolyn M.; Schuler, Gregory D.; Altschul, Stephen F.; Zeeberg, Barry; Buetow, Kenneth H.; Schaefer, Carl F.; Bhat, Narayan K.; Hopkins, Ralph F.; Jordan, Heather; Moore, Troy; Max, Steve I.; Wang, Jun; Hsieh, Florence; Diatchenko, Luda; Marusina, Kate; Farmer, Andrew A.; Rubin, Gerald M.; Hong, Ling; Stapleton, Mark; Soares, M. Bento; Bonaldo, Maria F.; Casavant, Tom L.; Scheetz, Todd E.; Brownstein, Michael J.; Usdin, Ted B.; Toshiyuki, Shiraki; Carninci, Piero; Prange, Christa; Raha, Sam S.; Loquellano, Naomi A.; Peters, Garrick J.; Abramson, Rick D.; Mullahy, Sara J.; Bosak, Stephanie A.; McEwan, Paul J.; McKernan, Kevin J.; Malek, Joel A.; Gunaratne, Preethi H.; Richards, Stephen; Worley, Kim C.; Hale, Sarah; Garcia, Angela M.; Gay, Laura J.; Hulyk, Stephen W.; Villalon, Debbie K.; Muzny, Donna M.; Sodergren, Erica J.; Lu, Xiuhua; Gibbs, Richard A.; Fahey, Jessica; Helton, Erin; Kettelman, Mark; Madan, Anuradha; Rodrigues, Stephanie; Sanchez, Amy; Whiting, Michelle; Madan, Anup; Young, Alice C.; Shevchenko, Yuriy; Bouffard, Gerard G.; Blakesley, Robert W.; Touchman, Jeffrey W.; Green, Eric D.; Dickson, Mark C.; Rodriguez, Alex C.; Grimwood, Jane; Schmutz, Jeremy; Myers, Richard M.; Butterfield, Yaron S. N.; Krzywinski, Martin I.; Skalska, Ursula; Smailus, Duane E.; Schnerch, Angelique; Schein, Jacqueline E.; Jones, Steven J. M.; Marra, Marco A.
 CORPORATE SOURCE: Mammalian Gene Collection (MGC) Program Team, National Cancer Institute, NIH, Bethesda, MD, 20892-2580, USA
 SOURCE: Proceedings of the National Academy of Sciences of the United States of America (2002), 99(26), 16899-16903
 CODEN: PNASA6; ISSN: 0027-8424
 PUBLISHER: National Academy of Sciences
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The National Institutes of Health Mammalian Gene Collection (MGC) Program is a multiinstitutional effort to identify and sequence a cDNA clone contg. a complete ORF for each human and mouse gene. ESTs were generated from libraries enriched for full-length cDNAs and analyzed to identify candidate full-ORF clones, which then were sequenced to high accuracy. The MGC has currently sequenced and verified the full ORF for a nonredundant set of >9000 human and >6000 mouse genes. Candidate full-ORF clones for an addnl. 7800 human and 3500 mouse genes also have been identified. All MGC sequences and clones are available without restriction through public databases and clone distribution networks. [This abstr. record is one of eleven records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

IT 480061-71-0

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)

(amino acid sequence; generation and initial anal. of more than 15,000 full-length human and mouse cDNA sequences)

RN 480061-71-0 HCAPLUS

CN Protein LOC57333 (human clone MGC:16899 IMAGE:3889718) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 3 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:42383 HCAPLUS

DOCUMENT NUMBER: 138:84593

TITLE: Cloning and cDNA and deduced amino acid sequences of 248 human secreted proteins and their use in diagnosis and treatment of diabetes mellitus and related disorders

INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA

SOURCE: PCT Int. Appl., 1537 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003004622	A2	20030116	WO 2002-US8124	20020319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2001-277340P	P 20010321
			US 2001-306171P	P 20010719
			US 2001-331287P	P 20011113

AB The present invention relates to 248 human secreted polypeptides, and isolated nucleic acid mols. encoding said polypeptides, useful for diagnosing and treating diabetes mellitus and/or conditions related to diabetes. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IT 482400-77-1P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; cloning and cDNA and deduced amino acid sequences)

of 248 human secreted proteins and their use in diagnosis and treatment
of diabetes mellitus and related disorders)

RN 482400-77-1 HCAPLUS

CN Secretory protein (human clone HSJBQ79 327-amino acid precursor) (9CI)
(CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 4 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:977975 HCAPLUS

DOCUMENT NUMBER: 138:34235

TITLE: Cloning and cDNA and deduced amino acid sequences of
620 human secreted proteins and their use in diagnosis
and treatment of cancer and other hyperproliferative
disorders

INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA

SOURCE: PCT Int. Appl., 3205 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002102993	A2	20021227	WO 2002-US8123	20020319

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:
US 2001-277340P P 20010321
US 2001-306171P P 20010719
US 2001-331287P P 20011113

AB The present invention relates to 620 human secreted polypeptides, and
isolated nucleic acid mols. encoding said polypeptides, useful for
diagnosing and treating cancer and other hyperproliferative disorders.
Tissue distribution, sequence homologies, and preferred epitope sites are
provided for the secreted proteins, as well as chromosomal mapping of some
of the genes. Also provided are vectors, host cells, antibodies, and
recombinant methods for producing human secreted proteins in bacterial,
insect, and mammalian cells. The invention further relates to diagnostic
and therapeutic methods useful for diagnosing and treating disorders
related to these novel human secreted proteins. High-throughput screening
assays are also provided for various putative activities of the secreted
proteins.

IT 478748-82-2P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL
(Biological study); PREP (Preparation); USES (Uses)

(amino acid sequence; cloning and cDNA and deduced amino acid sequences
of 620 human secreted proteins and their use in diagnosis and treatment

of cancer and other hyperproliferative disorders)
 RN 478748-82-2 HCAPLUS
 CN Secretary protein (human clone HSJBQ79 327-amino acid precursor) (9CI)
 (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 5 OF 16 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:872086 HCAPLUS
 DOCUMENT NUMBER: 136:32768
 TITLE: Nucleic acids and their encoded polypeptides from
 human tissues
 INVENTOR(S): Tang, Y. Tom; Liu, Chenghua; Drmanac, Radoje T.
 PATENT ASSIGNEE(S): Hyseq, Inc., USA
 SOURCE: PCT Int. Appl., 831 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 76
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001088088	A2	20011122	WO 2001-XB14827	20010516
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2001088088	A2	20011122	WO 2001-US14827	20010516
WO 2001088088	A3	20021031		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2000-577408	A 20000518
			WO 2001-US14827	W 20010516

AB The present invention provides a collection or library of 8051 nucleic acid contig sequences assembled from expressed sequence tag or cDNA libraries isolated mainly by sequencing by hybridization (SBH), std. PCR, Sanger sequencing techniques, and in some cases, sequences obtained from one or more public databases. The cDNA libraries are from human tissue sources and nearest neighbor sequence homologies are provided. The invention also relates to the proteins encoded by such polynucleotides, along with therapeutic, diagnostic and research utilities for these polynucleotides and proteins. [This abstr. record is one of four records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.]

IT 375913-87-4
 RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties);
 THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study);
 USES (Uses)
 (amino acid sequence; nucleic acids and their encoded polypeptides from
 human tissues)
 RN 375913-87-4 HCAPLUS
 CN Protein (human clone WO0188088-SEQID-10144 fragment) (9CI) (CA INDEX
 NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 6 OF 16 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:565197 HCAPLUS
 DOCUMENT NUMBER: 135:163396
 TITLE: Human nucleic acids and their encoded proteins and
 antibodies
 INVENTOR(S): Rosen, Craig A.; Barash, Steven C.; Ruben, Steven M.
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
 SOURCE: PCT Int. Appl., 837 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 90
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055318	A2	20010802	WO 2001-US1332	20010117
WO 2001055318	A3	20020704		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 2001041412	A5	20010807	AU 2001-41412	20010117
AU 2001041414	A5	20010807	AU 2001-41414	20010117
AU 2001047190	A5	20010807	AU 2001-47190	20010117
AU 2001049053	A5	20010807	AU 2001-49053	20010117
AU 2001049054	A5	20010807	AU 2001-49054	20010117
AU 2001050767	A5	20010807	AU 2001-50767	20010117
AU 2001050769	A5	20010807	AU 2001-50769	20010117
AU 2001050770	A5	20010807	AU 2001-50770	20010117
US 2002042096	A1	20020411	US 2001-764887	20010117
US 2002077270	A1	20020620	US 2001-764848	20010117
US 2002086811	A1	20020704	US 2001-764861	20010117
US 2002086820	A1	20020704	US 2001-764862	20010117
US 2002086821	A1	20020704	US 2001-764881	20010117
US 2002086822	A1	20020704	US 2001-764886	20010117
US 2002086823	A1	20020704	US 2001-764889	20010117
US 2002086330	A1	20020704	US 2001-764893	20010117
US 2002090615	A1	20020711	US 2001-764878	20010117
US 2002090674	A1	20020711	US 2001-764903	20010117

US 2002094953	A1	20020718	US 2001-764860	20010117
US 2002102638	A1	20020801	US 2001-764846	20010117
US 2002119919	A1	20020829	US 2001-764855	20010117
US 2002132767	A1	20020919	US 2001-764847	20010117
US 2002147140	A1	20021010	US 2001-764877	20010117
US 2002151479	A1	20021017	US 2001-764873	20010117
US 2002161208	A1	20021031	US 2001-764884	20010117
US 2002164685	A1	20021107	US 2001-764857	20010117
US 2002173454	A1	20021121	US 2001-764904	20010117
EP 1259526	A2	20021127	EP 2001-922230	20010117

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2003044890	A1	20030306	US 2001-764876	20010117
AU 2001050771	A5	20010820	AU 2001-50771	20010206
US 2003013649	A1	20030116	US 2001-989442	20011121
US 2003054420	A1	20030320	US 2002-72349	20020211
US 2003044904	A1	20030306	US 2002-73865	20020214
US 2003044905	A1	20030306	US 2002-73979	20020214
US 2003077703	A1	20030424	US 2002-73912	20020214
US 2003077602	A1	20030424	US 2002-73961	20020214
US 2003077704	A1	20030424	US 2002-74095	20020214
US 2003039993	A1	20030227	US 2002-79900	20020222
US 2003044907	A1	20030306	US 2002-80110	20020222
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US 2003054373	A1	20030320	US 2002-91572	20020307
US 2003054375	A1	20030320	US 2002-92154	20020307
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PRIORITY APPLN. INFO.:

US 2000-179065P	P	20000131
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US 2000-218290P	P	20000714
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 US 2001-764860 B1 20010117
 US 2001-764862 A1 20010117
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 US 2001-764869 B1 20010117
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 US 2001-764889 A1 20010117
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 US 2001-764900 B1 20010117
 US 2001-764903 A1 20010117
 WO 2001-US1332 W 20010117

AB The present invention relates to novel nervous system-related polynucleotides and the polypeptides encoded thereby, and to the use of such for detecting and/or treating disorders of the nervous system. More specifically, 598 isolated nervous system-assocd. cDNA mols. are provided encoding novel polypeptides. Novel nervous system-related polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human nervous system-assocd. polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the nervous system. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compns. for inhibiting the prodn. and function of the polypeptides of the present invention.

IT **352504-14-4P**

RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)

(amino acid sequence; human nervous system-specific nucleic acids and their encoded proteins and antibodies)

RN 352504-14-4 HCAPLUS

CN Protein (human clone HOETT48 lymphatic system antigen) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 7 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:565187 HCAPLUS

DOCUMENT NUMBER: 135:148288

TITLE: Human lymphatic system-specific nucleic acids and their encoded proteins and antibodies

INVENTOR(S): Rosen, Craig A.; Barash, Steven C.; Ruben, Steven M.

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA

SOURCE: PCT Int. Appl., 664 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 90

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055308	A2	20010802	WO 2001-US1309	20010117
WO 2001055308	A3	20020704		
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

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US 2003059875	A1	20030327	US 2002-125540	20020419

PRIORITY APPLN. INFO.:

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 US 2000-251869P P 20001208
 US 2000-251990P P 20001208
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 US 2001-764848 B1 20010117
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 US 2001-764869 B1 20010117
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 US 2001-764885 B1 20010117
 US 2001-764887 B1 20010117
 US 2001-764889 A1 20010117
 US 2001-764893 B1 20010117
 US 2001-764900 B1 20010117
 US 2001-764903 A1 20010117
 WO 2001-US1309 W 20010117

AB The present invention relates to novel lymphatic system-related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "lymphatic system antigens", and the use of such lymphatic system antigens for detecting disorders of the lymphatic system, particularly the presence of lymphatic system cancer and lymphatic system cancer metastases. More specifically, 107 isolated lymphatic system-assocd. cDNA mols. are provided encoding novel lymphatic system-assocd. polypeptides. Novel lymphatic system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lymphatic system assocd. polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosis, treatment, prophylaxis, or prognosis of disorders related to the lymphatic system, including lymphatic system cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compns. for inhibiting the prodn. and function of the polypeptides of the present invention. The Sequence Listing was provided as an electronic file, but was not made available in the release of this patent.

IT 352504-14-4

RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (amino acid sequence; human lymphatic system-specific nucleic acids and their encoded proteins and antibodies)

RN 352504-14-4 HCAPLUS

CN Protein (human clone HOETT48 lymphatic system antigen) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 8 OF 16 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:565183 HCAPLUS
 DOCUMENT NUMBER: 135:148285
 TITLE: Human nucleic acids and their encoded proteins and antibodies
 INVENTOR(S): Rosen, Craig A.; Barash, Steven C.; Ruben, Steven M.
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
 SOURCE: PCT Int. Appl., 542 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 90
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055304	A2	20010802	WO 2001-US1302	20010117
WO 2001055304	A3	20020718		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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EP 1268527	A2	20030102	EP 2001-924082	20010117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

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US 2001-764900 B1 20010117
US 2001-764903 A1 20010117
WO 2001-US1302 W 20010117

AB The present invention relates to novel human polynucleotides and the polypeptides encoded by these polynucleotides, and the use of such polypeptides for detecting disorders. More specifically, 78 isolated human cDNA mols. are provided encoding novel polypeptides. Antibodies that bind to these polypeptides are also provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing the novel human polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention.

IT 352504-14-4

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(amino acid sequence; human nucleic acids and their encoded proteins and antibodies)

RN 352504-14-4 HCAPLUS

CN Protein (human clone HOETT48 lymphatic system antigen) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 9 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:417147 HCAPLUS

DOCUMENT NUMBER: 135:29838

TITLE: Secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses

INVENTOR(S): Baker, Kevin; Beresini, Maureen; Deforge, Laura; Desnoyers, Luc; Filvaroff, Ellen; Gao, Wei Qiang; Gerritsen, Amry E.; Goddard, Audrey; Godowski, Paul

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY ACC. NUM. COUNT: 106

PATENT INFORMATION:

J.; Gurney, Austin L.; Gherwood, Steven; Smith,
Victoria; Stewart, Timothy A.; Tumas, Daniel;
Watanabe, Colin K.; Wood, William I.; Zhang, Zemin
Genentech, Inc., USA

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Patent

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WO 2001040466	A3	20020510		
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WO 2001-US21066 W 20010629
 WO 2001-US21735 W 20010709
 WO 2001-US26626 W 20010823

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. The proteins show overexpression in cancer and may of diagnostic use. Certain of the proteins were found to form complexes with one another.

IT 214069-96-2

RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (amino acid sequence; secreted and transmembrane proteins identified by sequence comparison and cDNAs encoding them and their uses)

RN 214069-96-2 HCAPLUS

CN Calcium-binding protein HCBP (human Incyte clone 2509570) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 10 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:247142 HCAPLUS

DOCUMENT NUMBER: 134:306971

TITLE: Colon and colon cancer associated cDNAs and proteins and their use in diagnosis and treatment of colon cancer

INVENTOR(S): Ruben, Steven M.; Barash, Steven C.; Birse, Charles E.; Rosen, Craig A.

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA

SOURCE: PCT Int. Appl., 9787 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001022920	A2	20010405	WO 2000-US26524	20000928
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PRIORITY APPLN. INFO.:			US 1999-157137P	P 19990929
			US 1999-163280P	P 19991103

WO 2000-US26524 W 20000928

AB This invention relates to newly identified colon or colon cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as <colon cancer antigens>s, and the use of such colon cancer antigens for targeting specific cell types and/or diagnosing, detecting, preventing and treating disorders of the colon, particularly the presence of colon cancer and colon cancer metastases. This invention relates to colon cancer antigens as well as vectors, host cells, antibodies directed to colon cancer antigens and the recombinant or synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing disorders related to the colon, including colon cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of colon cancer antigens of the invention. The present invention further relates to inhibiting the prodn. and function of the polypeptides of the present invention.

IT 334569-85-6P

RL: ANT (Analyte); BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; colon and colon cancer assocd. cDNAs and proteins and their use in diagnosis and treatment of colon cancer)

RN 334569-85-6 HCAPLUS

CN Protein (human clone HCRMJ47 colon cancer-associated) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 11 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:231233 HCAPLUS

DOCUMENT NUMBER: 134:232687

TITLE: Protein and cDNA sequences of a human reticulocalbin precursor isoform (hRP-iso) and uses thereof

INVENTOR(S): Xiao, Huasheng; Cheng, Zhihong; Zhang, Xin; Chen, Zhu; Han, Zeguang

PATENT ASSIGNEE(S): South Research Center of National Human Gene Group, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp. CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1266899	A	20000920	CN 2000-111691	20000217
PRIORITY APPLN. INFO.:			CN 2000-111691	20000217

AB The invention provides protein and cDNA sequences of a novel human reticulocalbin precursor isoform (hRP-iso) which is a sequence homolog of human reticulocalbin precursor, which has KDEL anchor protein sequence. The invention also relates to constructing hRP-iso gene expression vectors to prep. recombinant hRP-iso using E.coli cells or eukaryotic cells. The invention further relates to the uses of hRP-iso. Methods of prep. antibodies of recombinant hRP-iso are also described.

IT 330222-81-6

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(amino acid sequence; protein and cDNA sequences of human reticulocalbin precursor isoform (hRP-iso) and uses thereof)

RN 330222-81-6 HCAPLUS

CN Reticulocalbin (human hypothalamus precursor isoform) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 12 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:464084 HCAPLUS

DOCUMENT NUMBER: 131:98508

TITLE: Bone marrow secreted proteins from a human cDNA library

INVENTOR(S): Lin, Haishan; Cao, Li

PATENT ASSIGNEE(S): Chiron Corporation, USA

SOURCE: PCT Int. Appl., 120 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9933979	A2	19990708	WO 1998-US27008	19931218
WO 9933979	A3	19990916		
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9919295	A1	19990719	AU 1999-19295	19981218
EP 1042470	A2	20001011	EP 1998-964100	19981218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002511231	T2	20020416	JP 2000-526635	19981218
US 2002034800	A1	20020321	US 2001-765205	20010117
PRIORITY APPLN. INFO.:				
			US 1997-68958P	P 19971230
			US 1998-101603P	P 19980924
			US 1998-102540P	P 19980930
			US 1998-212440	B3 19981216
			WO 1998-US27008	W 19981218

AB Novel polynucleotides and secreted proteins encoded thereby that are secreted from human bone marrow are disclosed. Nucleotide and amino acid sequences are reported for 22 full-length coding region clones isolated using methods which are selective for human cDNAs encoding secreted proteins. Recombinant prodn. of the secreted proteins and their mature forms can be achieved by std. techniques, and the proteins may have biol. activities (no data) useful for therapeutic application. The proteins can be used as therapeutics, for example, to stimulate blood cell generation in patients receiving cancer chemotherapy, to treat bone marrow transplantation patients, and to heal fractured bones. Polynucleotides of the invention can also be used diagnostically, such as on polynucleotide arrays, to detect differential gene expression in diseased tissue compared with gene expression in normal tissue.

IT 214069-96-2P

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic

use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; bone marrow secreted proteins from a human cDNA
library)

RN 214069-96-2 HCAPLUS

CN Calcium-binding protein HCBP (human Incyte clone 2509570) (9CI) (CA INDEX
NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 13 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:222828 HCAPLUS

DOCUMENT NUMBER: 130:263141

TITLE: Cloning and cDNA sequences of human secreted and
transmembrane polypeptides

INVENTOR(S): Wood, William I.; Gurney, Austin L.; Goddard, Audrey;
Pennica, Diane; Chen, Jian; Yuan, Jean

PATENT ASSIGNEE(S): Genentech, Inc., USA

SOURCE: PCT Int. Appl., 322 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 106

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9914328	A2	19990325	WO 1998-US19330	19980916
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RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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ZA 9808460	A	19990319	ZA 1998-8460	19980916
CA 2303834	AA	19990325	CA 1998-2303834	19980916
AU 9893178	A1	19990405	AU 1998-93178	19980916
AU 741060	B2	20011122		
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EP 1205546	A1	20020515	EP 2001-127791	19980916
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EP 1205550	A1	20020515	EP 2001-127793	19980916
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EP 1207168	A1	20020522	EP 2001-127794	19980916
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JP 2002238587	A2	20020827	JP 2001-385248	19980916
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JP 2002253280	A2	20020910	JP 2001-385319	19980916
AU 9959229	A1	19990915	AU 1999-59229	19990915
CA 2343577	AA	20000323	CA 1999-2343577	19990915

WO 2000015796	A2	20000323	WO 1999-US21090	19990915
WO 2000015796	A3	20000824		
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EP 1114152	A2	20010711	EP 1999-946924	19990915
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US 1998-79786P	P	19980327
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WO 1998-US18824	W	19980910
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JP 2000-511867	A3	19980916
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WO 1998-US25108	A1	19981201
US 1998-202054	A1	19981207
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WO 1999-US5028	W	19990308
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US 1999-311832	A1	19990514
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US 1999-139695P	P	19990615
WO 1999-US12252	W	19990622
US 1999-144758P	P	19990720
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US 1999-146222P	P	19990728
US 1999-380137	B1	19990825
US 1999-380139	B1	19990825
US 1999-380142	B1	19990825
WO 1999-US20111	W	19990901
WO 1999-US20594	W	19990908
WO 1999-US20944	A1	19990913
WO 1999-US21090	W	19990915
WO 1999-US21547	A1	19990915
WO 1999-US23089	W	19991005
US 1999-423844	B1	19991112
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WO 1999-US28313	W	19991130
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WO 2000-US5841	W	20000302
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US 2000-565278	A1 20000427
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WO 2000-US15264	A1 20000602
WO 2000-US20710	A1 20000728
US 2000-644848	A1 20000822
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US 2000-664610	B1 20000918
US 2000-665350	A1 20000918
US 2000-709238	B1 20001108
WO 2000-US32678	W 20001201
US 2000-747259	A1 20001220
US 2001-796498	B1 20010228
WO 2001-US6520	W 20010228
US 2001-802706	B1 20010309
US 2001-808689	B1 20010314
US 2001-816744	A1 20010322
US 2001-828366	A1 20010405
US 2001-854208	A1 20010510
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US 2001-860216	B1 20010518
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US 2001-866034	A1 20010525
US 2001-872035	B1 20010601
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US 2001-880457	A 20010612
US 2001-882636	B1 20010614
US 2001-886342	B1 20010619
US 2001-887879	A1 20010621
US 2001-904553	A1 20010713
US 2001-908827	A1 20010718
US 2001-918585	A1 20010730
US 2001-924419	B1 20010806
US 2001-927796	B1 20010809
US 2001-929404	B1 20010813
US 2001-931836	A1 20010816
US 2001-941992	A1 20010828
US 2001-946374	A1 20010904
US 2001-2796	A1 20011115
US 2001-28072	A1 20011219

AB The present invention is directed to novel polypeptides and to nucleic acid mols. encoding those polypeptides. Extracellular domain sequences from .apprx.950 known secreted proteins from the Swiss-Prot public database were used to search EST databases. Using this extracellular domain homol. screen, consensus DNA sequences were assembled and oligonucleotides synthesized and used to identify by PCR a cDNA library that contain the sequences of interest and for use as probes to isolate clones of the full-length coding sequences for the secretory and/or transmembrane polypeptides. Sixty different pairs of cDNA and polypeptide sequences are provided. Certain of the polypeptides exhibit the ability to inhibit vascular endothelial growth factor-stimulated proliferation of endothelial cell growth, enhance retinal neuron and rod photoreceptor survival, induce endothelial cell apoptosis, cause PDB12 cell inhibition or cell proliferation, or stimulate adult or neonatal heart hypertrophy. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptides mols. comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to

methods for producing the polypeptides of the present invention.

IT 214069-96-2P
 RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
 (amino acid sequence; cloning and cDNA sequences of human secreted and transmembrane polypeptides)

RN 214069-96-2 HCAPLUS
 CN Calcium-binding protein HCBP (human Incyte clone 2509570) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 14 OF 16 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1999:127020 HCAPLUS
 DOCUMENT NUMBER: 130:192771
 TITLE: Cloning and cDNA sequences of human reticulocalbin isoforms
 INVENTOR(S): Bandman, Olga; Hillman, Jennifer L.; Lal, Preeti; Corley, Neil C.; Shah, Purvi
 PATENT ASSIGNEE(S): Incyte Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 82 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9907849	A2	19990218	WO 1998-US16259	19980805
WO 9907849	A3	19990415		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 5976801	A	19991102	US 1997-910927	19970808
AU 9887692	A1	19990301	AU 1998-87692	19980805
US 6235477	B1	20010522	US 1999-270270	19990316
US 2002081604	A1	20020627	US 2001-847809	20010501
PRIORITY APPLN. INFO.:			US 1997-910927 A2	19970808
			WO 1998-US16259 W	19980805
			US 1999-270270 A3	19990316

AB The invention provides two human reticulocalbin isoforms designated individually as RCN .gamma. and RCN .delta. and collectively as RCN, and polynucleotides which identify and encode RCN. RCN.gamma. and RCN.delta. were first identified in Incyte clones 922578 and 1601793 from right atrium tissue and bladder cDNA libraries, resp., using a computer search for amino acid sequence alignments; consensus sequences were derived from overlapping and/or extended nucleic acid sequences. RCN.gamma. is 328 amino acids in length with an N-terminal signal peptide, six EF-hands, an HDEL C-terminal tetrapeptide, and chem. and structural homol. with human

reticulocalbin and rat clone REM#1. RCN.delta. is 315 amino acids in length with an N-terminal signal peptide, seven EF-hands, and chem. and structural homol. with human reticulocalbin. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for the diagnosis, prevention, or treatment of infectious, developmental, neoplastic, and immunol. disorders.

IT 214069-96-2P

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (nucleotide sequence; cloning and cDNA sequences of human reticulocalbin isoforms)

RN 214069-96-2 HCAPLUS

CN Calcium-binding protein HCBP (human Incyte clone 2509570) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L2 ANSWER 15 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:684963 HCAPLUS

DOCUMENT NUMBER: 129:286732

TITLE: Calcium-binding protein similar to reticulocalbin

INVENTOR(S): Hillman, Jennifer L.; Goli, Surya K.

PATENT ASSIGNEE(S): Incyte Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9844114	A1	19981008	WO 1998-US6233	19980330
W:	AT, AU, BR, CA, CH, CN, DE, DK, ES, FI, GB, IL, JP, KR, MX, NO, NZ, RU, SE, SG, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 5871970	A	19990216	US 1997-828242	19970331
AU 9867875	A1	19981022	AU 1998-67875	19980330
US 6194385	B1	20010227	US 1998-206499	19981207
US 2001012831	A1	20010809	US 2001-768840	20010123
PRIORITY APPLN. INFO.:			US 1997-828242 A2	19970331
			WO 1998-US6233 W	19980330
			US 1998-206499 A3	19981207

AB The present invention provides a human calcium-binding protein (HCBP) and polynucleotides which identify and encode HCBP. The invention also provides expression vectors and host cells, agonists, antibodies, and antagonists. In addn., the invention provides methods for producing HCBP and for treating or preventing disorders assocd. with the expression of HCBP. Thus, cDNA sequences encoding HCBP were isolated from a human sigmoid mesentery tumor tissue cDNA library and their structure was detd. The sequences were cloned on expression vectors and were expressed in bacterial, insect, yeast, plant, and preferably mammalian host cells. HCBP, and variants, can be used to treat cell proliferation disorders such as cancer.

IT 214069-96-2
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (amino acid sequence; cloning, expression, and therapeutic use of human calcium-binding protein HCBP which is similar to reticulocalbin)
 RN 214069-96-2 HCAPLUS
 CN Calcium-binding protein HCBP (human Incyte clone 2509570) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 16 OF 16 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:672578 HCAPLUS

DOCUMENT NUMBER: 129:271556

TITLE: Cloning and cDNA and deduced amino acid sequences of 87 human secreted proteins

PATENT ASSIGNEE(S): USA

SOURCE: PCT Int. Appl., 386 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9842738	A1	19981001	WO 1998-US5311	19980319
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9865646	A1	19981012	AU 1998-65646	19980317
EP 970110	A1	20000112	EP 1998-911772	19980319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001522239	T2	20011113	JP 1998-542119	19980319
US 2003050461	A1	20030313	US 2001-966262	20011001
US 2003060619	A1	20030327	US 2001-983966	20011026
US 2002165374	A1	20021107	US 2001-984245	20011029
US 2003018180	A1	20030123	US 2002-59395	20020131
US 2003069406	A1	20030410	US 2002-143090	20020513
PRIORITY APPLN. INFO.:				
			US 1997-41281P	P 19970321
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			US 1997-42344P	P 19970321
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			US 1997-48096P	P 19970530
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			US 1997-48154P	P 19970530
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US 1997-48188P	P	19970530
US 1997-48094P	P	19970530
US 1997-48350P		19970530
US 1997-54804P		19970805
US 1997-56370P		19970819
US 1997-60862P		19971002
WO 1998-US5311	W	19980319
US 1998-154707	A1	19980917
US 2001-966262	A3	20011001

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids contg. the coding regions of the genes encoding such proteins. Tissue distribution, sequence homologies, and preferred epitope sites are provided for the secreted proteins, as well as chromosomal mapping of some of the genes. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins in bacterial, insect, and mammalian cells. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins. High-throughput screening assays are also provided for various putative activities of the secreted proteins.

IT **213468-72-5P**

RL: BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)

(amino acid sequence; cloning and cDNA and deduced amino acid sequences of 87 human secreted proteins)

RN 213468-72-5 HCAPLUS

CN Secretory protein (human clone HSJBQ79 326-amino acid precursor) (9CI)
(CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***